

11-06-02

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Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/585/817
		Filing Date	June 1, 2000
		First Named Inventor	Schenk, Dale B.
		Art Unit	1647
		Examiner Name	Sharon Turner Nichols
Sheet 1 of 1	Attorney Docket Number	15270J-005910US	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
CDU	327	CAMERON, E., "Recent Advances in Transgenic Technology," <u>Molecular Biotechnology</u> , 7:253-265 (1997).	
CDU	328	FELSENSTEIN et al., "Transgenic Rat and In-Vitro Studies of B-Amyloid Precursor Protein Processing," <u>Alzheimer's and Parkinson's Diseases</u> , Hanin et al. Ed., pp 401-409, Plenum Press, New York, (1995).	
CDU	329	NIEMANN, H., "Transgenic farm animals get off the ground;" <u>Transgenic Research</u> 7:73-75 (1998).	
CDU	330	SIGMUND, C., "Viewpoint: Are Studies in Genetically Altered Mice Out of Control," <u>Arterioscler Thromb Vasc Biol.</u> , 20:1425-1429 (2000).	

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Examiner Signature	<i>G. H. [Signature]</i>	Date Considered	12/3/02
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 8

## Complete if Known

Application Number 09/585,817  
Filing Date June 1, 2000  
First Named Inventor Dale B. Schenk  
Group Art Unit 1647  
Examiner Name Sharon Turner Nichols  
Attorney Docket Number 15270J-005910US

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## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
22	267	6,294,171	B2	McMichael	09-25-2001	
22	234	6,284,221	B1	Schenk, et al.	09-04-2001	
22	300	2001/0018053	A1	McMichael	08-30-2001	
22	230	6,262,335	B1	Hsiao et al.	07-17-2001	
22	231	6,114,133		Seubert et al.	09-05-2000	
22	221	5,989,566		Cobb et al.	11-23-1999	
22	207	5,780,587		Potter	07-14-1998	
22	211	5,736,142		Sette et al.	04-07-1998	
22	284	5,231,170		Averback	1993-07-27	
22	242	60/468,504		Chalifour et al.	N/A	
22	283	60/444,440		Solomon et al.	N/A	
22	282	60/460,687		Chain	N/A	
22	295	60/104,001		Holtzman et al.	N/A	
22	290	60/186,295		Rasmussen et al.	N/A	
22	296	60/234,405		Holtzman et al.	N/A	
22	297	60/234,496		Holtzman et al.	N/A	

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## FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
22	243	PCT	01/39796	A2		06-07-2001		
22	298	PCT	01/42306	A2		06-14-2001		
22	301	PCT	01/62284	A2		03-01-2000		
22	294	PCT	01/62801	A2		08-30-2001		
22	240	PCT	00/43039	A1		07-27-2000		
22	203	PCT	99/00150	A2		01-07-1999		
22	202	PCT	97/21728	A1		06-19-1997		
22	208	PCT	96/28471	A1		09-19-1996		
22	227	PCT	95/11008	A2		04-27-1995		

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*Julia*

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 8

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Application Number	09/585,817
Filing Date	June 1, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Sharon Turner Nichols
Attorney Docket Number	15270J-005910US

201	PCT	94/28412	A1	12-08-1994
205	PCT	93/04194	A1	03-04-1993

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Sheet 3 of 8

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Application Number	09/585,817
Filing Date	June 1, 2000
First Named Inventor	Dale B. Schenk
Group Art Unit	1647
Examiner Name	Baron Turner Nichols
Attorney Docket Number	15270J-005910US

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Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
CTJ	228	BARROW, et al., "Solution Conformations and aggregational Properties of Synthetic Amyloid Beta-Peptides of Alzheimer's Disease. Analysis of Circular Dichroism Spectra" <u>J. Mol. Biol.</u> , 225(4): 1075-1093 (1992).	—
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CTJ	204	BERCOVICI et al., "Chronic Intravenous Injections of Antigen Induce and Maintain Tolerance in T Cell Receptor-Transgenic Mice," <u>Eur. J. Immunol.</u> 29:345-354 (1999).	—
CTJ	212	BICKEL et al., "Site Protected, Cationized Monoclonal Antibody Against Beta Amyloid as a Potential Diagnostic Imaging Technique for Alzheimer's Diseases," <u>Soc. for Neuroscience Abstracts</u> 18:764 (1992).	—
CTJ	285	CAPUTO et al., "Therapeutic approaches targeted at the amyloid proteins in Alzheimer's disease," <u>Clin. Neuropharm.</u> , 15:414A-414B (1992).	—
CTJ	224	Center for Biologics Evaluation and Research, U.S. Food and Drug Administration, Thimerosal in Vaccines (Mercury in Plasma-Derived Products), web site contents found at : <a href="http://www.fda.gov/cber/vaccine/thimerosal.htm">http://www.fda.gov/cber/vaccine/thimerosal.htm</a> , last updated May 16, 2002.	—
CTJ	266	CHAPMAN, PAUL F., "Model behavior," <u>Nature</u> , 408:915-916 (2000).	—
CTJ	222	Chemical Abstract database, Abstract of "Injection of Newborn Mice with Seven Chemical Adjuvants to Help Determine Their Safety in Use in Biologicals," Chemical Abstract database. (Publication date unknown.)	—
CTJ	213	CHEN et al. "An Antibody to $\beta$ Amyloid Precursor Protein Inhibits Cell-substratum Adhesion in Many Mammalian Cell Types," <u>Neuroscience Letters</u> 125:223-226 (1991).	—
CTJ	302	CHUNG et al. "Uptake, Degradation, and Release of Fibrillar and Soluble Forms of Alzheimer's Amyloid $\beta$ -Peptide by Microglial Cells," <u>J. Biol. Chem.</u> , 274(45):32301-32308 (1999).	—
CTJ	291	COLOMA et al., "Transport Across the Primate Blood-Brain Barrier of a Genetically Engineered Chimeric Monoclonal Antibody to the Human Insulin Receptor," <u>Pharm. Res.</u> , 17:266-274 (2000).	—
CTJ	286	CORDELL, B., " $\beta$ -Amyloid formation as a potential therapeutic target for Alzheimer's disease," <u>Ann. Rev. Pharmacol. Toxicol.</u> , 34:69-89 (1994).	—
CTJ	287	COSTA et al., "Immunoassay for transthyretin variants associated with amyloid neuropathy," <u>Scand. J. Immunol.</u> , 38:177-182 (1993).	—
CTJ	293	DALY, et al., "Detection of the membrane-retained carboxy-terminal tail containing polypeptides of the amyloid precursor protein in tissue from Alzheimer's Disease brain," <u>Life Sci.</u> , 63:2121-2131 (1998).	—

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*g. Nichols*

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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8

## Complete if Known

Application Number

09/585,817

Filing Date

June 1, 2000

First Named Inventor

Dale B. Schenk

Group Art Unit

1647

Examiner Name

Sharon Turner Nichols

Attorney Docket Number

15270J-005910US

## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
CSJ	214	DEMATTOIS et al., "Peripheral Anti Aβ Antibody Alters CNS And Plasma Aβ Clearance and Decreases Brain Aβ Burden in a Mouse Model of Alzheimer's Disease," <u>Proc. Natl. Acad. Sci. USA</u> , 10.1073/pnas.151261398 (2001).	
	220	<del>Biologix Derwent, Abstract of WIPI Acc. No. 1997-054436/100709. Stable vaccine compon. comprise a macrocyclic lactone, a milbemycin, an ivermectin, an antigen, a dispersing agent, an adjuvant, a water sol. organic solvent and saline or water. Derwent File 961. Derwent WIPI database. (Publication date unknown.)</del>	
CSJ	288	DUMERY et al., "β-Amyloid protein aggregation: its implication in the physiopathology of Alzheimer's disease," <u>Pathol. Biol.</u> , 49:72-85 (2001).	
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CSJ	226	Elan, "Elan and Wyeth Provide Update on Status of Alzheimer's Collaboration," Press Release (3/1/2002)	
CSJ	289	ESIRI, "Is an effective immune intervention for Alzheimer's disease in prospect?," <u>Trends in Pharm. Sci.</u> , 22:2-3 (2001).	
CSJ	246	FRENKEL et al., "Generation of auto-antibodies towards Alzheimer's disease vaccination," <u>Vaccine</u> , 19:2615-2619 (2001).	
CSJ	245	FRENKEL et al., "High affinity binding of monoclonal antibodies to the sequential epitope EFRH of β-amyloid peptide is essential for modulation of fibrillar aggregation," <u>J. of Neuroimmunology</u> , 95:136-142 (1999).	
CSJ	247	FRENKEL et al., "Immunization against Alzheimer's β-amyloid plaques via EFRH phage administration," <u>PNAS USA</u> , 97:11455-11459 (2000).	
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CSJ	210	FRIEDLAND et al., "Development of an anti-Aβ monoclonal antibody for in vivo imaging of amyloid angiopathy in Alzheimer's disease," <u>Mol. Neurology</u> , 9:107-113 (1994).	
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CSJ	215	GAMES et al., "Prevention and Reduction of AD-type Pathology in PDAPP Mice Immunized with Aβ <sub>1-42</sub> ," <u>Annals of the New York Academy of Science</u> 920:274-84 (2000).	
CSJ	251	GARDELLA et al., "Intact Alzheimer amyloid precursor protein (APP) is present in platelet membranes and is encoded by platelet mRNA," <u>Biochem. Biophys. Res. Comm.</u> , 173:1292-1298 (1990).	

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*Gelliney*

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		Filing Date	June 1, 2000		
		First Named Inventor	Dale B. Schenk		
		Group Art Unit	1647		
		Examiner Name	Sharon Turner Nichols		
Sheet	5	of	8	Attorney Docket Number	15270J-005910US

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CDN	252	GEDDES, "N-terminus truncated $\beta$ -amyloid peptides and C-terminus truncated secreted forms of amyloid precursor protein: distinct roles in the pathogenesis of Alzheimer's disease," <i>Neurobiology of Aging</i> , 20:75-79 (1999).	
CDN	253	GIULIAN, et al., "The HHQK Domain of b-Amyloid Provides a Structural Basis for the Immunopathology of Alzheimer's Disease," <i>Journal of Biological Chem.</i> , 273:29719-29726 (1998).	
CDN	303	GONZALES-FERNANDEZ et al., "Low antigen dose favors selection of somatic mutants with hallmarks of antibody affinity maturation," <i>Immunology</i> , 93:149-153 (1998).	
CDN	237	GORTNER, <i>Outlines of Biochemistry</i> , pp. 322-323, John Wiley & Sons, Inc., New York (1949).	
CDN	254	GRUBECK-LOEBENSTEIN, et al., "Immunization with $\beta$ -amyloid: could T-cell activation have a harmful effect?", <i>TINS</i> , 23:114 (2000).	
CDN	241	HAASS et al. "Amyloid beta-peptide is produced by cultured cells during normal metabolism," <i>Nature</i> , 359(6393):322-5 (1992).	
CDN	255	HARIGAYA, et al., "Modified amyloid $\beta$ protein ending at 42 or 40 with different solubility accumulates in the brain of Alzheimer's disease," <i>Biochem. Biophys. Res. Comm.</i> , 211:1015-1022 (1995).	
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CDN	257	JEN, et al., "Preparation and purification of antisera against different regions or isoforms of b-amyloid precursor protein," <i>Brain Research Protocols</i> , 2:23-30 (1997).	
CDN	216	JOACHIM et al., "Antibodies to Non-beta Regions of the Beta-amyloid Precursor Protein Detect a Subset of Senile Plaques," <i>Am. J. of Pathology</i> 138:373-384 (1991).	
CDN	258	KIDA, et al., "Early amyloid- $\beta$ deposits show different immunoreactivity to the amino- and carboxy-terminal regions of b-peptide in Alzheimer's disease and Down's syndrome brain," <i>Neuroscience Letters</i> , 193:105-108 (1995).	
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CDN	260	LEMERE, et al., "Nasal A $\beta$ treatment induces anti-A $\beta$ antibody production and decreases cerebral amyloid burden in PD-APP mice," <i>Annals of the NY Acad. Sci.</i> , 920:328-331 (2000).	

Examiner Signature		Date Considered	10/21/02
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Sheet 6 of 8

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CDN	218	MAJOCHA et al., "Development of a Monoclonal Antibody Specific for $\beta$ /A4 Amyloid in Alzheimer's Disease Brain for Application to In Vitro Imaging of Amyloid Angiopathy," <u>The J. of Nuclear Med.</u> 33:2184-2189 (1992).	—
CDN	261	MAK, et al., "Polyclonals to b-amyloid (1-42) identify most plaque and vascular deposits in Alzheimer cortex, but not striatum," <u>Brain Research</u> , 667:138-142 (1994).	—
CDN	263	MANN, et al., "Amyloid $\beta$ protein ( $A\beta$ ) deposition in chromosome 14-linked Alzheimer's disease: Predominance of $A\beta_{42(43)}$ ," <u>Annals of Neurology</u> , 40:149-156 (1996).	—
CDN	262	MANN, et al., "The extent of amyloid deposition in brain in patients with Down's syndrome does not depend upon the apolipoprotein E genotype," <u>Neuroscience Letters</u> , 196:105-108 (1995).	—
CDN	217	MASTERS et al., "Amyloid Plaque core protein in Alzheimer Disease and Down Syndrome," <u>Proc. Natl. Acad. Sci. USA</u> , 82:4245-4249 (1985).	—
CDN	264	McGeer, et al., "Immunohistochemical localization of beta-amyloid precursor protein sequences in Alzheimer and normal brain tissue by light and electron microscopy," <u>J. of Neuroscience Res.</u> , 31:428-442 (1992).	—
CDN	238	MCNEAL et al., "Stimulation of local immunity and protection in mice by intramuscular immunization with triple- or double-layered rotavirus particles and QS-21," <u>Virology</u> , 243:158-166 (1998).	—
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	250	NAKAMURA et al., "Histopathological studies on senile plaques and cerebral amyloid angiopathy in aged cynomolgus monkeys," <u>Exp. Anim.</u> , 43:744-746 (1996).	—
CDN	268	NAKAMURA, et al., "Carboxyl end-specific monoclonal antibodies to amyloid $\beta$ protein ( $A\beta$ ) subtypes ( $A\beta_{40}$ and $A\beta_{42(43)}$ ) differentiate Ab in senile plaques and amyloid angiopathy in brains of aged cynomolgus monkeys," <u>Neuroscience Letters</u> , 201:151-154 (1995).	—
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Examiner Signature		Date Considered	10/2/02
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

7

of

8

## Complete if Known

Application Number

09/585,817

Filing Date

June 1, 2000

First Named Inventor

Dale B. Schenk

Group Art Unit

1647

Examiner Name

Sharon Turner Nichols

Attorney Docket Number

15270J-005910US

## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
CDN	232	PETERSON, et al., "Recombinant Antibodies: Alternative Strategies for Developing and Manipulating Murine-Derived Monoclonal Antibodies," <u>Laboratory Animal Science</u> , 46(1):8-14 (1996).	—
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Examiner  
Signature

*G. Miller*

Date  
Considered

10/21/02

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

8

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### Complete if Known

Application Number

09/585,817

Filing Date

June 1, 2000

First Named Inventor

Dale B. Schenk

Group Art Unit

1647

Examiner Name

Sharon Turner Nichols

Attorney Docket Number

15270J-005910US

CS	292	YAMAGUCHI et al., Diffuse plaques associated with astroglial amyloid $\beta$ protein, possibly showing a disappearing stage of senile plaques," <u>Acta Neuropathol.</u> , 95:217-222 (1998).	—
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Examiner  
Signature

G. Miller

Date  
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Sheet 1 of 10

### Complete if Known

Application Number	09/585,817
Filing Date	June 1, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	<del>4040</del> 1647
Examiner Name	<del>Unassigned</del> Nichols
Attorney Docket Number	15270J005910

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### U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
[Handwritten Initials]	196	6,150,091		Pandolfo et al.	11-21-2000	
	1	6,057,367		Stamler et al.	05-02-2000	
	2	5,958,883		Snow	09-28-1999	
	3	5,955,317		Suzuki et al.	09-21-1999	
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	12	5,786,180		Konig et al.	07-28-1998	
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	26	5,434,170		Andrulis, Jr.	07-18-1995	

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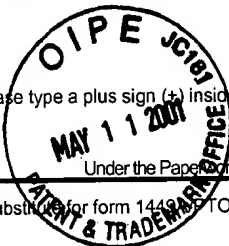
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 10

## Complete if Known

Application Number 09/585,817  
Filing Date June 1, 2000  
First Named Inventor Schenk, Dale B.  
Group Art Unit 4040 1647  
Examiner Name Unassigned Nichols  
Attorney Docket Number 15270J005910

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## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
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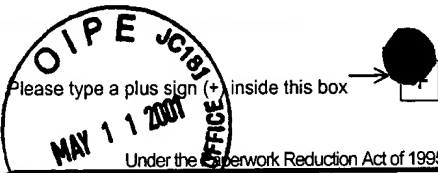
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Sheet 3 of 10

**Complete if Known**

Application Number	09/585,817
Filing Date	June 1, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	1040 1647
Examiner Name	Unassigned Nichols
Attorney Docket Number	15270J005910

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**FOREIGN PATENT DOCUMENTS**

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Sheet 4 of 10

## Complete if Known

Application Number	09/585,817
Filing Date	June 1, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	<del>1040</del> 1647
Examiner Name	Unassigned Nichols
Attorney Docket Number	15270J005910

## FOREIGN PATENT DOCUMENTS

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92	GB	2 220 211	A	01-04-1990		<input type="checkbox"/>
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## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
CSU	94	ANDERSEN et al., "Do nonsteroidal anti-inflammatory drugs decrease the risk for Alzheimer's disease?," <u>Neurology</u> , 45:1441-1445 (1995).	<input type="checkbox"/>
CSU	95	Associated Press, "Immune cells may promote Alzheimer's, a study finds," <u>The Boston Globe</u> (4/13/95).	<input type="checkbox"/>
CSU	96	BAUER et al., "Interleukin-6 and $\alpha$ -2-macroglobulin indicate an acute-phase state in Alzheimer's disease cortices," <u>FEBS Letters</u> , 285(1):111-114 (1991).	<input type="checkbox"/>
CSU	176	BARD et al., "Peripherally administered antibodies against amyloid $\beta$ -peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," <u>Nature Medicine</u> , 6(8):916-919 (2000).	<input type="checkbox"/>
CSU	97	BLASS, John P., "Immunologic Treatment of Alzheimer's Disease," <u>New England J. Medicine</u> , 341(22):1694 (1999).	<input type="checkbox"/>
CSU	98	BODMER et al., "Transforming Growth Factor-Beta Bound to Soluble Derivatives of the Beta Amyloid Precursor Protein of Alzheimer's Disease," <u>Biochem. Biophys. Res. Comm.</u> , 171(2):890-897 (1990).	<input type="checkbox"/>
CSU	99	BORCHELT et al., "Accelerated Amyloid Deposition in the Brains of Transgenic Mice Coexpressing Mutant Presenilin 1 and Amyloid Precursor Proteins," <u>Neuron</u> , 19: 939-945 (1997).	<input type="checkbox"/>
CSU	100	BORIS-LAWRIE et al., "Recent advances in retrovirus vector technology," <u>Cur. Opin. Genet. Develop.</u> , 3: 102-109 (1993).	<input type="checkbox"/>
CSU	101	BRICE et al., "Absence of the amyloid precursor protein gene mutation (APP717 : Val->Ile) in 85 cases of early onset Alzheimer's disease," <u>J. Neurology, Neurosurg. Psychiatry</u> , 56:112-115 (1993).	<input type="checkbox"/>
CSU	102	CHAO et al., "Transforming Growth Factor- $\beta$ Protects human Neurons Against $\beta$ -Amyloid-Induced Injury," <u>Soc. Neurosci. Abstracts</u> , 19:513.7 (1993).	<input type="checkbox"/>
CSU	103	DUFF et al., "Mouse model made," <u>Nature</u> , 373: 476-477 (1995)	<input type="checkbox"/>
CSU	104	ELIZAN et al., "Antineurofilament antibodies in a postencephalitic and idiopathic parkinson's disease," <u>J. Neurol. Sciences</u> , 59:341-347 (1983).	<input type="checkbox"/>

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*G. Nichols*

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Sheet 5 of 10

### Complete if Known

Application Number	09/585,817
Filing Date	June 1, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	4646 / 647
Examiner Name	Unassigned Nichols
Attorney Docket Number	15270J005910

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

CSO	105	FELSENSTEIN et al., "Processing of the $\beta$ -amyloid precursor protein carrying the familial, Dutch-type, and a novel recombinant C-terminal mutation," <u>Neuroscience Letters</u> , 152:185-189 (1993).	<input type="checkbox"/>
CSO	106	FINCH et al., "Evolutionary Perspectives on Amyloid and Inflammatory Features of Alzheimer Disease," <u>Neurobiology of Aging</u> , 17(5):809-815 (1996).	<input type="checkbox"/>
CSO	107	FISHER et al., "Expression of the amyloid precursor protein gene in mouse oocytes and embryos," <u>PNAS</u> , 88:1779-1782 (1991).	<input type="checkbox"/>
CSO	108	FLANDERS et al., "Altered expression of transforming growth factor- $\beta$ in Alzheimer's disease," <u>Neurology</u> , 45:1561-1569 (1995).	<input type="checkbox"/>
CSO	109	GAMES et al., "Alzheimer-type neuropathology in transgenic mice overexpressing V717F $\beta$ -amyloid precursor protein," <u>Nature</u> , 373(6514): 523-527 (1995).	<input type="checkbox"/>
CSO	110	GANDY et al., "Amyloidogenesis in Alzheimer's disease: some possible therapeutic opportunities," <u>TIPS</u> , 13:108-113 (1992).	<input type="checkbox"/>
CSO	111	GASKIN et al., "Human antibodies reactive with beta-amyloid protein in Alzheimer's disease," <u>J. Exp. Med.</u> , 177:1181-1186 (1993).	<input type="checkbox"/>
CSO	112	GLENN et al., "Skin immunization made possible by cholera toxin," <u>Nature</u> , 391: 851 (1998).	<input type="checkbox"/>
CSO	113	GLENNER et al., "Alzheimer's Disease: Initial Report of the Purification and Characterization of a Novel Cerebrovascular Amyloid Protein," <u>Biochemical and Biophysical Research Communications</u> , 120(3): 885-890 (1994).	<input type="checkbox"/>
CSO	114	GLENNER et al., "Alzheimer's Disease and Downs Syndrome: Sharing of A Unique Cerebrovascular Amyloid Fibril Protein," <u>Biochemical and Biophysical Research Communications</u> , 122(3): 1131-1135 (1984).	<input type="checkbox"/>
CSO	115	GOATE et al., "Segregation of a missense mutation in the amyloid precursor protein gene with familial Alzheimer's disease," <u>Nature</u> , 349:704-706 (1991).	<input type="checkbox"/>
CSO	116	GOZES et al., "Neuroprotective strategy for Alzheimer disease: Intranasal administration of a fatty neuropeptide," <u>PNAS</u> , 93:427-432 (1996).	<input type="checkbox"/>
CSO	190	GRAVINA et al., "Amyloid $\beta$ Protein (A $\beta$ ) in Alzheimer's Disease," <u>J. Biol. Chem.</u> , 270(13):7013-7016 (1995).	<input type="checkbox"/>
CSO	117	GUPTA et al., "Differences in the immunogenicity of native and formalized cross reacting material (CRM197) of diphtheria toxin in mice and guinea pigs and their implications on the development and control of diphtheria vaccine based on CRMs," <u>Vaccine</u> , 15(12/13): 1341-1343 (1997).	<input type="checkbox"/>

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Sheet 6 of 10

### Complete if Known

Application Number	09/585,817
Filing Date	June 1, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	<del>4640</del> 1447
Examiner Name	Unassigned Nichols
Attorney Docket Number	15270J005910

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

118	HAGA et al., "Synthetic Alzheimer amyloid $\beta$ /A4 peptides enhance production of complement C3 component by cultured microglial cells," <u>Brain Research</u> , 601:88-94 (1993).	<input type="checkbox"/>
119	HANES et al., "New advances in microsphere-based single-dose vaccines," <u>Advanced Drug Delivery Reviews</u> , 28: 97-119 (1997).	<input type="checkbox"/>
120	HARDY, "Amyloid, the presenilins and Alzheimer's disease," <u>TINS</u> , 20(4): 154-159 (1997).	<input type="checkbox"/>
121	HARDY, John, "New Insights into the Genetics of Alzheimer's Disease," <u>Annals of Med.</u> , 28:255-258 (1996).	<input type="checkbox"/>
193	HARRINGTON et al., "Characterisation of an epitope specific to the neuron-specific isoform of human enolase recognised by a monoclonal antibody raised against a synthetic peptide corresponding to the C-terminus of $\beta$ / A4-protein," <u>Biochimica Biophysica Acta</u> , 1158:120-128 (1993).	<input type="checkbox"/>
177	HELMUTH, L., "Further Progress on a $\beta$ -Amyloid Vaccine," <u>Science</u> , 289:375 (2000).	<input type="checkbox"/>
122	HSIAO et al., "Correlative Memory Deficits, A $\beta$ Elevation, and Amyloid Plaques in Transgenic Mice," <u>Science</u> , 274: 99-102 (1996).	<input type="checkbox"/>
123	HUBERMAN et al., "Correlation of cytokine secretion by mononuclear cells of Alzheimer's patients and their disease stage," <u>J. Neuroimmunology</u> , 52:147-152 (1994).	<input type="checkbox"/>
124	HYMAN et al., "Molecular Epidemiology of Alzheimer's Disease," <u>N. E. J. Medicine</u> , 333(19):1283-1284 (1995).	<input type="checkbox"/>
125	ITAGAKI et al., "Relationship of microglia and astrocytes to amyloid deposits of Alzheimer's disease," <u>J. Neuroimmunology</u> , 24:173-182 (1989).	<input type="checkbox"/>
192	IWATSUBO et al., "Visualization of A $\beta$ 42(43) and A $\beta$ 40 in Senile Plaques with End-Specific A $\beta$ Monoclonals: Evidence That an Initially Deposited Species Is A $\beta$ 42(43)," <u>Neuron</u> , 13:45-53 (1994).	<input type="checkbox"/>
126	JANSEN et al., "Immunotoxins: Hybrid Molecules Combining High Specificity and Potent Cytotoxicity," <u>Immun. Rev.</u> , 62: 185-216 (1982).	<input type="checkbox"/>
127	KALARIA, R. N., "Serum amyloid P and related molecules associated with the acute-phase response in Alzheimer's disease," <u>Res. Immunology</u> , 143:637-641 (1992).	<input type="checkbox"/>
183	KATZAV-GOZANSKY et al., "Effect of monoclonal antibodies in preventing carboxypeptidase A aggregation," <u>Biotechnol. Appl. Biochem.</u> , 23:227-230 (1996).	<input type="checkbox"/>

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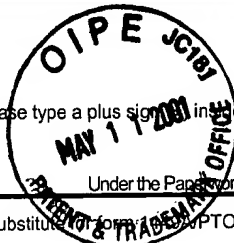
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Application Number	09/585,817
Filing Date	June 1, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	1646 1647
Examiner Name	Unassigned Nichols
Attorney Docket Number	15270J005910

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

128	KAWABATA et al., "Amyloid plaques, neurofibrillary tangles and neuronal loss in brains of transgenic mice overexpressing a C-terminal fragment of human amyloid precursor protein," <u>Nature</u> , 354:476-478 (1991).	<input type="checkbox"/>
195	KONIG et al., "Development and Characterization of a Monoclonal Antibody 369.2B Specific for the Carboxyl-Terminus of the $\beta$ A4 Peptide," <u>Annals of NY Acad. Sci.</u> , 777:344-355 (1996).	<input type="checkbox"/>
129	LAMPERT-ETCHELLS et al., "Regional Localization of Cells Containing Complement C1q and C4 mRNAs in the Frontal Cortex During Alzheimer's Disease," <u>Neurodegeneration</u> , 2:111-121 (1993).	<input type="checkbox"/>
130	LANGER, "New Methods of Drug Delivery," <u>Science</u> , 249: 1527-1532 (1990).	<input type="checkbox"/>
131	LANNFELT et al., "Alzheimer's disease: molecular genetics and transgenic animal models," <u>Behavioural Brain Res.</u> , 57:207-213 (1993).	<input type="checkbox"/>
132	LEMERE et al., "Mucosal Administration of A $\beta$ Peptide Decreases Cerebral Amyloid Burden In Pd-App Transgenic Mice," <u>Society for Neuroscience Abstracts</u> , vol. 25, part I, Abstract 519.6, 29th Annual Meeting, October 23-28, 1999.	<input type="checkbox"/>
133	LIVINGSTON et al., "The Hepatitis B Virus-Specific CTL Responses Induced in Humans by Lipopeptide Vaccination Are Comparable to Those Elicited by Acute Viral Infection," <u>J. Immunol.</u> , 159: 1383-1392 (1997).	<input type="checkbox"/>
134	LOPEZ et al., "Serum auto-antibodies in Alzheimer's disease," <u>Acta. Neurol. Scand.</u> , 84:441-444 (1991).	<input type="checkbox"/>
135	MCGEE et al., "The encapsulation of a model protein in poly (D, L lactide-co-glycolide) microparticles of various sizes: an evaluation of process reproducibility," <u>J. Micro. Encap.</u> , 14(2): 197-210 (1997).	<input type="checkbox"/>
136	MEDA et al., "Activation of microglial cells by $\beta$ -amyloid protein and interferon- $\gamma$ ," <u>Nature</u> , 374:647-650 (1995).	<input type="checkbox"/>
137	MILLER et al., "Antigen-driven Bystander Suppression after Oral Administration of Antigens," <u>J. Exp. Med.</u> , 174:791-798 (1991).	<input type="checkbox"/>
191	MURPHY et al., "Development of a Monoclonal Antibody Specific for the COOH-Terminal of $\beta$ -Amyloid 1-42 and Its Immunohistochemical Reactivity in Alzheimer's Disease and Related Disorders," <u>Am. J. Pathology</u> , 144(5):1082-1088 (1994).	<input type="checkbox"/>
138	NATHANSON et al., "Bovine Spongiform Encephalopathy (BSE): Causes and Consequences of a Common Source Epidemic," <u>Am. J. Epidemiol.</u> , 145(11): 959-969 (June 1, 1997).	<input type="checkbox"/>
139	New York Times National, "Anti-Inflammatory Drugs May Impede Alzheimer's," (2/20/94).	<input type="checkbox"/>
140	PARECSE et al., "Microglial cells influence aggregates of the Alzheimer's disease amyloid beta-protein via a scavenger receptor," <u>Neuron</u> , 17:553-565 (September 1996).	<input type="checkbox"/>

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*g. m. m. b.*

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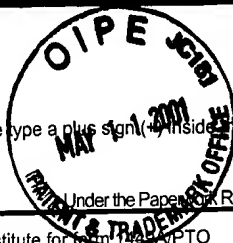
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Sheet 8 of 10

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Application Number	09/585,817
Filing Date	June 1, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	4646-1697
Examiner Name	Unassigned Nichols
Attorney Docket Number	15270J005910

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

GU	141	PAUL et al., "Transdermal immunization with large proteins by means of ultradeformable drug carriers", <u>Eur. J. Immunol.</u> , 25: 3521-3524 (1995).	<input type="checkbox"/>
GU	142	PRIEELS et al., "Synergistic adjuvants for vaccines," <u>Chemical Abstracts</u> , 120(8): pg. 652, column 1, abstract 86406t (1994).	<input type="checkbox"/>
GU	143	QUON et al., "Formation of $\beta$ -Amyloid protein deposits in brains of transgenic mice," <u>Nature</u> , 352:239-241 (1991).	<input type="checkbox"/>
	144	<del>RASO, V.A., Grant application # 1 R43 AG1 5740-01 (publication date unknown)</del>	<input type="checkbox"/>
GU	145	RASO, "Immunotherapy of Alzheimer's Disease," <u>Immunotherapy Weekly</u> , Abstract (April 12, 1998).	<input type="checkbox"/>
GU	146	ROGERS et al., "Complement activation by $\beta$ -amyloid in Alzheimer Disease," <u>PNAS</u> , 89:1-5 (1992).	<input type="checkbox"/>
GU	147	ROSSOR et al., "Alzheimer's Disease Families with Amyloid Precursor Protein Mutations," <u>Annals of New York Academy of Sciences</u> , 695:198-202 (1993).	<input type="checkbox"/>
GU	189	SAIDO et al., "Spatial Resolution of Fodrin Proteolysis in Postischemic Brain," <u>J. Biol. Chem.</u> , 268(33):25239-25243 (1993).	<input type="checkbox"/>
GU	194	SAIDO et al., "Spatial Resolution of the Primary $\beta$ -Amyloidogenic Process Induced in Postischemic Hippocampus," <u>J. Biol. Chem.</u> , 269(21):15253-15257 (1994).	<input type="checkbox"/>
GU	178	SCHENK et al., "Therapeutic Approaches Related to Amyloid- $\beta$ Peptide and Alzheimer's Disease," <u>J. Med. Chem.</u> , 38(21):4141-4154 (1995).	<input type="checkbox"/>
GU	148	SCHENK et al., "Immunization with amyloid- $\beta$ attenuates Alzheimer-disease-like pathology in the PDAPP mouse," <u>Nature</u> , 400:173-177 (1999).	<input type="checkbox"/>
GU	149	SELKOE, D.J., "Imaging Alzheimer's Amyloid," <u>Nat. Biotech.</u> , 18:823-824 (2000).	<input type="checkbox"/>
GU	150	SELKOE, "Alzheimer's Disease: A Central Role for Amyloid," <u>J. Neuropathol. Exp. Neurol.</u> , 53(5): 438-447 (1994).	<input type="checkbox"/>
GU	151	SELKOE, "Physiological production of the $\beta$ -amyloid protein and the mechanism of Alzheimer's disease," <u>Trends in Neurosciences</u> , 16(10): 403-409 (1993).	<input type="checkbox"/>
GU	152	SELKOE, Dennis J., "Amyloid Protein and Alzheimer's Disease.....," <u>Scientific American</u> , pgs. 68-78 (November 1991).	<input type="checkbox"/>
GU	153	SELKOE, Dennis J., "In the Beginning....," <u>Nature</u> , 354:432-433 (1991).	<input type="checkbox"/>

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*g. Nichols*

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 9 of 10

## Complete if Known

Application Number 09/585,817  
Filing Date June 1, 2000  
First Named Inventor Schenk, Dale B.  
Group Art Unit 1040 1647  
Examiner Name Unassigned Nichols  
Attorney Docket Number 15270J005910

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## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

154	SELKOE, Dennis J., "The Molecular pathology of Alzheimer's Disease," <u>Neuron</u> , 6:487-498 (1991).	<input type="checkbox"/>
155	SELKOE, Dennis J., "Alzheimer's Disease: Genotypes, Phenotype, and Treatments," <u>Science</u> , 275:630-631 (1997).	<input type="checkbox"/>
156	SEUBERT et al., "Isolation and quantification of soluble Alzheimer's $\beta$ -peptide from biological fluids," <u>Nature</u> , 359: 325-327 (1992).	<input type="checkbox"/>
157	SHIOSAKA, S., "Attempts to make models for Alzheimer's disease," <u>Neuroscience Res.</u> , 13:237-255 (1992).	<input type="checkbox"/>
158	SMITS et al., "Prion Protein and Scrapie Susceptibility," <u>Vet. Quart.</u> , 19(3): 101-105 (1997).	<input type="checkbox"/>
159	SOLOMON et al., "Disaggregation of Alzheimer $\beta$ -amyloid by site-directed mAb," <u>PNAS</u> , 94:4109-4112 (1997).	<input type="checkbox"/>
160	SOLOMON et al., "Monoclonal antibodies inhibit <i>in vitro</i> fibrillar aggregation of the Alzheimer $\beta$ -amyloid peptide," <u>PNAS</u> , 93:452-455 (1996).	<input type="checkbox"/>
161	SOLOMON, A., "Pro-Rx (Protein Therapeutics)," University of Tennessee Medical Center (publication date unknown).	<input type="checkbox"/>
162	<del>SOLOMON, B., "New Approach Towards Fast Induction of Anti <math>\beta</math> Amyloid Peptide Immune Response," Department of Molecular Microbiology &amp; Biotechnology, Tel Aviv University, Ramat Aviv, Tel Aviv, Israel.</del>	<input type="checkbox"/>
182	SOLOMON et al., "Inhibitory effect of monoclonal antibodies on Alzheimer's $\beta$ -amyloid peptide aggregation," <u>Int. J. Exp. Clin. Invest.</u> , 3:130-133 (1996).	<input type="checkbox"/>
184	SOLOMON et al., "Thermal Stabilization of Carboxypeptidase A as a Function of PH and Ionic Milieu," <u>Biochem. Mol. Biol. Int.</u> , 43(3):601-611 (1997).	<input type="checkbox"/>
185	SOLOMON et al., "Modulation of The Catalytic Pathway of Carboxypeptidase A by Conjugation with Polyvinyl Alcohols," <u>Adv. Mol. Cell Biology</u> , 15A:33-45 (1996).	<input type="checkbox"/>
186	<del>SOLOMON et al., "Activity of monoclonal antibodies in prevention of <i>in vitro</i> aggregation of their antigens," abstract from Department of Molecular Microbiology and Biotechnology, Tel Aviv University, Tel Aviv, Israel (publication date unknown).</del>	<input type="checkbox"/>
179	SOUTHWICK et al., "Assessment of Amyloid $\beta$ protein in Cerebrospinal fluid as an Aid in the Diagnosis of Alzheimer's Disease," <u>J. Neurochemistry</u> , 66:259-265 (1996).	<input type="checkbox"/>
163	STOUTE et al., "A Preliminary Evaluation of a Recombinant Circumsporozoite Protein Vaccine Against <i>Plasmodium Falciparum</i> Malaria", <u>N. Engl. J. Med.</u> , 336(2): 86-91 (1997).	<input type="checkbox"/>
164	STURCHLER-PIERRAT et al., "Two amyloid precursor protein transgenic mouse models with Alzheimer disease-like pathology," <u>PNAS</u> , 94: 13287-13292 (1997).	<input type="checkbox"/>

Examiner  
Signature

*G. Nichols*

Date  
Considered

10/21/02

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Sheet 10 of 10

## **Complete if Known**

Application Number	09/585,817
Filing Date	June 1, 2000
First Named Inventor	Schenk, Dale B.
Group Art Unit	1040 1647
Examiner Name	Unassigned Nichols
Attorney Docket Number	15270J005910

## **OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

165	TANAKA et al., "NC-1900, an active fragment analog of arginine vasopressin, improves learning and memory deficits induced by beta-amyloid protein in rats," <u>European J. Pharmacology</u> , 352:135-142 (1998).	<input type="checkbox"/>
166	TRIEB et al., "Is Alzheimer beta amyloid precursor protein (APP) an autoantigen? Peptides corresponding to parts of the APP sequence stimulate T lymphocytes in normals, but not in patients with Alzheimer's disease," <u>Immunobiology</u> , 191(2-3):114-115 Abstract C.37, (1994).	<input type="checkbox"/>
167	VAN GOOL et al., "Concentrations of amyloid- $\beta$ protein in cerebrospinal fluid increase with age in patients free from neurodegenerative disease," <u>Neuroscience Letters</u> , 172:122-124 (1994).	<input type="checkbox"/>
168	VERBEEK et al., "Accumulation of Inter cellular Adhesion Molecule-1 in Senile Plaques in Brain Tissue of patients with Alzheimer's Disease," <u>Amer. Journ. Pathology</u> , 144(1):104-116 (1994).	<input type="checkbox"/>
169	WALKER et al., "Labeling of Cerebral Amyloid <i>In Vivo</i> with a Monoclonal Antibody," <u>J. Neuropath. Exp. Neurology</u> , 53(4):377-383 (1994).	<input type="checkbox"/>
180	WEN, G.Y., "Alzheimer's Disease and Risk Factors," <u>J. Food Drug Analysis</u> , 6(2):465-476 (1998).	<input type="checkbox"/>
170	WENGENACK et al., "Targeting Alzheimer amyloid plaques in vivo," <u>Nature Biotech.</u> , 18:868-824 (2000).	<input type="checkbox"/>
171	WEINER et al., "ORAL TOLERANCE: Immunologic Mechanisms and Treatment of Animal and Human Organ-Specific Autoimmune Diseases by Oral Administration of Autoantigens," <u>Annu. Rev. Immunol.</u> , 12:809-837 (1994).	<input type="checkbox"/>
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173	WOOD et al., "Amyloid precursor protein processing and A $\beta$ 2 deposition in a transgenic mouse model of Alzheimer disease," <u>PNAS</u> , 94: 1550-1555 (1997).	<input type="checkbox"/>
174	Human Immunology & Cancer Program brochure, from The University of Tennessee Medical Center/ Graduate School of Medicine, Knoxville, Tennessee (publication date unknown)	<input type="checkbox"/>

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Date  
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Sheet 1 of 3

**Complete if Known**

Application Number 09/585,817

Filing Date June 1, 2000

First Named Inventor Dale B. Schenk

Art Unit 1647

Examiner Name Sharon Turner Nichols

Attorney Docket Number 15270J-005910US

**U.S. PATENT DOCUMENTS**

Examiner	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CSN	305	09/724,842	11-28-2000	Chalifour et al.	
CSN	326	2002/0136718 A1	09-26-2002	Raso	
CSN	325	2001/0102261 A1	08-01-2002	Raso	
CSN	306	6,417,178 B1	07-09-2002	Klunk et al.	
CSN	321	5,837,672	11-17-1998	Schenk et al.	
CSN	320	5,593,846	01-14-1997	Schenk et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD- YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
CSN	322	PCT	00/72880	A2, A3	12-07-2000			
CSN	323	PCT	00/72876	A2, A3	12-07-2000			
CSN	324	PCT	00/72870	A1	12-07-2000			

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g. j. nichols

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STATEMENT BY APPLICANT**

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Sheet 2 of 3

**Complete if Known**

Application Number	09/585,817
Filing Date	June 1, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon Turner Nichols
Attorney Docket Number	15270J-005910US

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
CSN	307	CHEN, et al. A learning deficit related to age and beta-amyloid plaques in a mouse model of Alzheimer's disease. Nature. 408(6815):975-9 (2000).	—
CSN	318	DU, et al. Reduced levels of amyloid beta-peptide antibody in Alzheimer disease. Neurology 57(5):801-5 (2001).	—
CSN	<del>308</del>	JANUS, et al., "Preparation and purification of antisera against different regions or isoforms of b-amyloid precursor protein, " Brain Research Protocols, 2:23-30 (1997).	—
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CSN	310	MERLUZZI, et al. Humanized antibodies as potential drugs for therapeutic use. Adv Clin Path. 4(2):77-85 (2000).	—
CSN	311	MORGAN, et al. A beta peptide vaccination prevents memory loss in an animal model of Alzheimer's disease. Nature. 408(6815):982-5 (2000).	—
	304	<del>RAGO, V.A., Grant application # 1 R43 AG1 5746-01 (non-redacted version), "Immunotherapy of Alzheimer's Disease" (publication date unknown).</del>	—
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CSN	313	SELKOE, DJ. The cell biology of beta-amyloid precursor protein and presenilin in Alzheimer's disease. Trends Cell Biol. 8(11):447-53 (1998).	—
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**Complete if Known**

Application Number	09/585,817
Filing Date	June 1, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon Turner Nichols
Attorney Docket Number	15270J-005910US

CSN	316	SOTO, et al. Beta sheet breaker peptides inhibit fibrillogenesis in a rat brain model of amyloidosis: implications for Alzheimer's therapy. Nat Med. 4(7):822-6 (1998).	
CSN	317	VEHMAS, et al. beta-Amyloid peptide vaccination results in marked changes in serum and brain Abeta levels in APPswe/PS1 DeltaE9 mice, as detected by SELDI-TOF-based ProteinChip® technology. DNA Cell Biol. (11):713-21 (2001).	

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